# NUMBER 1

## January–March 1992


The Distinguished Economic Botanist Award 1991 ..... 1

Reflections on Five Crops *N. W. Simmonds* ..... 4

Past and Present Role of the Indian-Fig Prickly-Pear (*Opuntia ficus-indica* (L.) Miller, Cactaceae) in the Agriculture of Sicily *Giuseppe Barbera, Francesco Carimi, and Paolo Inglese* ..... 10

*Litsea glaucescens* Humb., Bonpl. & Kunth var. *glaucescens* (Lauraceae): A Mexican Bay *Arthur O. Tucker, Michael J. Maciarello, and Madalene Hill* ..... 21

Traditional Yam Cultivation on Pohnpei, Eastern Caroline Islands, Micronesia *Bill Raynor, Adelino Lorens, and Jackson Phillip* ..... 25

*Madia sativa* Mol. (Asteraceae-Heliantheae-Madiinae): An Ethnobotanical and Geographic Disjunct *Elsa Zardini* ..... 34

Perspectives for Sustainable Resource Utilization and Management of Nipa Vegetation *F. W. Fong* ..... 45

Sources of Tannin: Alternatives to Wattle (*Acacia mearnsii*) among Indigenous Kenyan Species *James Z. A. Mugedo and Peter G. Waterman* ..... 55

A Sweetmeat Plant, A Perfume Plant and Their Weedy Relatives: A Chapter in the History of *Cyperus esculentus* L. and *C. rotundus* L. *Moshe Negbi* ..... 64

Relationships Among the Mexican Races of Maize *J. J. Sanchez G. and M. M. Goodman* ..... 72

The Potato in Spain During the Late 16th Century *J. G. Hawkes and J. Francisco-Ortega* ..... 86

Independent Inventionism and Recent Genetic Evidence on Plant Domestication *Mark A. Blumler* ..... 98

Notes on Economic Plants ..... 112

Society for Economic Botany ..... 117

*Economic Botany* Policies and Manuscript Requirements ..... 119



Issued 31 March 1992

# NUMBER 2

## April–June 1992

*Caesalpinia paraguariensis* (Fabaceae): Forage Tree for All Seasons *James Aronson and Carlos Saravia Toledo* ..... 121

Aboriginal Preparation of *Cycas* Seeds in Australia *Wendy Beck* ..... 133

The Importance of Bark Products in the Aboriginal Economies of Northwestern British Columbia, Canada *Leslie M. Johnson Gottesfeld* ..... 148

Herbal Plants in the Traditional Medicine of Bahrain *Jameel A. Abbas, Ahmed A. El-Oqlah, and Adel M. Mahasneh* ..... 158

Nutritive Value of the Nuña Popping Bean *Janny van Beem, Julia Kornegay, and Leonardo Lareo* ..... 164

Representations of Pre-Columbian Spindle Whorls of the Floral and Fruit Structure of Economic Plants *Dorothy McMeekin* ..... 171

Intraspecific Variation in Fiber Properties in *Yucca elata* and *Hesperaloe funifera* (Agavaceae) *Steven P. McLaughlin and Susan M. Schuck* ..... 181

Further Evidence on the Origin of the Cultivated Winged Bean, *Psophocarpus tetragonolobus* (L.) DC. (Fabaceae): Chromosome Numbers and the Presence of a Host-Specific Fungus *Daniel K. Harder and Joseph Smartt* ..... 187

Arboriculture in the Mussau Islands, Bismarck Archipelago *Dana Lepofsky* .... 192

Evolution of Female Sexuality in the Maize Ear (*Zea mays* L. subsp. *mays*—Gramineae) *Bruce F. Benz and Hugh H. Iltis* ..... 212

Notes on Economic Plants ..... 223

Book Reviews ..... 170, 180, 186, 211, 226

*Economic Botany* Policies and Manuscript Requirements ..... 231

Issued 26 June 1992

# NUMBER 3

## July–September 1992


The Ethnobotany of *Carludovica palmata* Ruíz & Pavón (Cyclanthaceae) in Amazonian Ecuador *B. C. Bennett, R. Alarcón, and C. Cerón* . . . . . 233

The Ocean-Going Noni, or Indian Mulberry (*Morinda citrifolia,* Rubiaceae) and Some of Its "Colorful" Relatives *Julia F. Morton* . . . . . 241

Medical Ethnobotany in the Karnali Zone, Nepal *N. K. Bhattarai* . . . . . 257

Economic Botany of *Sphenostylis* (Leguminosae) *Daniel Potter* . . . . . 262

Origins of the African Yam Bean (*Sphenostylis stenocarpa,* Leguminosae): Evidence from Morphology, Isozymes, Chloroplast DNA, and Linguistics *Daniel Potter, and Jeff J. Doyle* . . . . . 276

Notes on Guyana's Medical Ethnobotany *Daniel F. Austin and Godfrey R. Bourne* 293

Characterization and Density of Trichomes on Three Common Bean Cultivars *Ron M. Dahlin, Mark A. Brick, and J. Barry Ogg* . . . . . 299

Use of the Sago Palm *Metroxylon warburgii* in the Polynesian Island, Rotuma *Will McClatchey and Paul Alan Cox* . . . . . 305

Tropical Grain Legumes as Important Human Foods *U. Singh and B. Singh* . . . 310

Enlargement of Fibrous Roots in *Ipomoea* section *Batatas* (Convolvulaceae) *Jaime Díaz, Fermin de la Puente, and Daniel F. Austin* . . . . . 322

Medical Ethnobotany of the Marma Tribe of Bangladesh *M. K. Alam* . . . . . 330

Notes on Economic Plants . . . . . 336

Book Reviews . . . . . 341

*Economic Botany* Policies and Manuscript Requirements . . . . . 347



Issued 14 October 1992

# NUMBER 4

## October–December 1992


Ethnobotany and the Economic Role of the Cucurbitaceae of China *Si-Lin Yang and Terrence W. Walters* ..... 349

In Situ Conservation of Rice Genetic Resources *Duncan A. Vaughan and Te-Tzu Chang* 368

Wild and Weed Azuki Beans in Japan *Hirofumi Yamaguchi* ..... 384

Turnip Remains from Byzantine Sparta *Jon G. Hather, Leonor Peña-Chocarro, and Elizabeth J. Sidell* ..... 395

Exploitation of the Molecular Potential of Plants: *Equisetum arvense* (Equisetaceae) *Gérard Vilarem, Francis Périneau, and Antoine Gaset* ..... 401

Tapping Women's Knowledge: Plant Resource Use in Extractive Reserves, Acre, Brazil *Karen A. Kainer and Mary L. Duryea* ..... 408

Notes on Economic Plants ..... 426

Book Reviews ..... 430, 431

Volume 46: Index to Subjects ..... 434

Volume 46: Index to Authors and Titles of Papers ..... 444

Manuscript Reviewers 1992 ..... 447

Volume 46: Index to Book Reviews ..... 447

Volume 46: Index to Book Reviewers ..... 448

Manuscript Requirements (Style Changes, 1993) ..... 449

Volume 46: Contents ..... i

Statement of Ownership ..... ii



Issued 30 December 1992